Industry News & Educational Activities

The new address of the SPIE (Society of Photo-Optical Engineers) is P.O. Box 10, 405 Fieldston Road, Bellingham, WA 98225. Headquarters of the organization were previously at Palos Verdes Estate in California. The new phone number is (206) 671-1150.

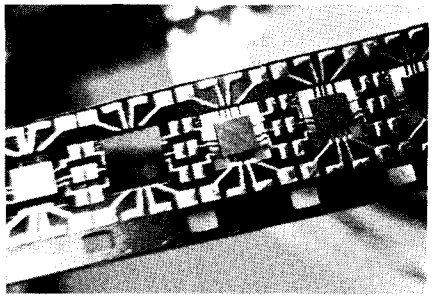
Four optical scientists have been selected by the Board of Directors of the Optical Society of America to receive awards in 1977. The Frederic Ives Medal will be presented to Emil Wolf of the University of Rochester; the C. E. K. Mees Medal to André Maréchal of the Institute of Optics in Paris; the David Richardson Medal to Walter P. Siegmund of the American Optical Corp.; and the Distinguished Service Award to Stanley S. Ballard of the University of Florida.

The Frederic Ives Medal is OSA's oldest and highest award. It is awarded annually for overall distinction in optics. Emil Wolf, the 1977 recipient, is Professor of Physics at the University of Rochester.

The C. E. K. Mees Medal is presented biennially to a recipient who exemplifies the thought that optics transcends all boundaries — interdisciplinary and international alike. André Maréchal, the 1977 recipient is a professor at the University of Paris and Director of the Institute of Optics.

The David Richardson Medal recognizes distinguished contributions to applied optics. The 1977 recipient, Walter P. Siegmund is Technical Manager of the Fiber Optics Division of American Optical Corp.

The Distinguished Service Award was established to recognize individuals who make noteworthy contributions to optics through administration, editorship and other services to the optical community. The award has been presented only once before, the presentation taking place in 1973. The 1977 recipient, Stanley S. Ballard, is Professor of Physics at the University of Florida. He has been a member of OSA for 40 years.



A new integrated circuit technology has been announced by Siemens AG, Zentralstelle für Information, Postfach 3240, D-8520 Erlangen 2, Federal Republic of Germany. In the new development, the silicon chips are mounted in the "windows" of a super-8 film and the terminal wires to the contact points on the film function both as conductor and support (micropack system) (see above). Siemens supplies the circuits on film rolls which have possible applications for film cameras, flat desk-top computers, film circuits and circuit boards.

The starting material for the new circuits is a polymide ribbon cut and perforated analogously to a super-8 film. Manufacturer and user can thus fall back on the drive and transportation technologies of the film industry for the production facilities they require. Before the chips are mounted, the film surface is coated with copper, tinned and etched to produce conductors and terminal points for the chips. The inner ends of the conductors protrude into the windows of the film to provide for both physical

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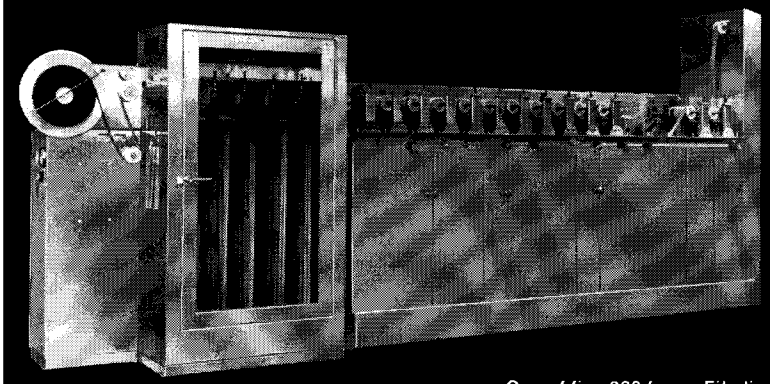
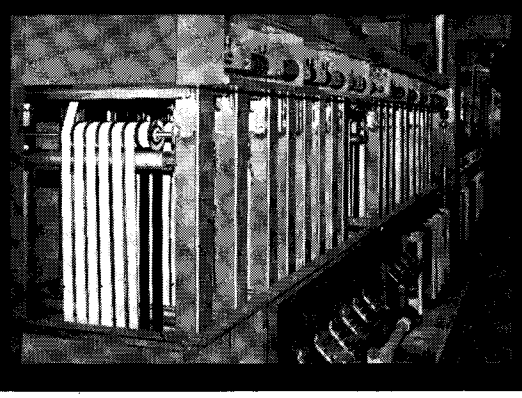


Typical medium size Filmline processor available in speeds from 7-200 f.p.m.



One of five 320 f.p.m. Filmline Color processors (shown with hoist partially raised) in use at Technicolor, Hollywood, California.

Micro-Demand is a patented exclusively different concept in demand drive film transport systems.

Micro-Demand is a dynamically tension-controlled friction film transport system that operates effectively at minimum tension and with complete reliability. When used with Filmline Feather-Touch film spool "tires" it transports 35mm, 16mm and single strand 8mm film interchangeably and without adjustments even when these films are spliced back-to-back.

Once optimum tensions are set there is no need for further adjustments, yet the design allows easy and rapid, dynamic adjustment of film tension while the machine is running.

Micro-Demand has a broad band of self-compensation, is of functional construction and requires minimum maintenance.

There are no fragile, plastic spring bushings, no wobble rollers. No elaborate articulations of any type. Just sound engineering and the highest quality materials and workmanship.

No other competitive processor or film transport system commercially available has ever achieved the operational speeds and proven reliability of Filmline Micro-Demand Processors.

SIGNIFICANT MICRO-DEMAND FEATURES:

Versatility	Any speed, any process.
Reliability	Rugged construction, quality materials and sound engineering. Always ready when you are!
Flexibility	Any format 35mm, 35/32mm (1-3), 35/32mm (1-4), 35mm 5R S8, 16mm — 70MM-105MM etc.
Dependability	Can stand the gaff of long, continuous, top speed runs with "Zero-down-time."
Credibility	Ask the labs who own them. Most of them own not one but several.
Maintenance	Exclusive Maintenance Monitor tells when and where the machine needs attention. Significant savings assured.
Performance	Every Filmline machine is backed by a superb performance record compiled in over 25 years of continuous service to the industry. Twenty five years in the forefront of processing machine design and innovation.

- ☐ Push-Button operation, and reliability allows operator to perform other functions while the machine is running!
- ☐ Automatic compensation for elongation and contraction of film during processing cycle.
- ☐ Virtually eliminates all film breakage, scratches and static marks.
- ☐ All film spools use standard bearings or bushings.
- ☐ Entire upper film shaft/roller assemblies easily removed. No tools needed.
- ☐ Stainless steel construction used throughout.
- ☐ Proper operation can be determined at a glance, while machine is running.
- ☐ Submerged developer racks.
- ☐ Pumps for recirculation and agitation of all required systems.
- ☐ Professional spray bars.
- ☐ In-line filters on all required systems.
- ☐ Professional air and wiper squeegees.
- ☐ Temp-Guard Temperature Control System. Thermistor sensing and transistorized controller.
- ☐ Film-Guard dry box with dual heat input and dial thermometer.
- ☐ Individual switches for all control functions.

"Filmline Engineering and Consulting Services for Complete Laboratories are Available Worldwide."

Filmline Continuous Film Processors are used throughout the world by: Deluxe-General, Technicolor, Inc., Capital Film Labs, Byron Motion Pictures, TVC Labs., Movielab, Radiant Laboratories, Guffanti Labs, Precision Film Labs, Bellevue-Pathe, ABC, CBS, NBC Network TV, NASA, General Motors, RCA, IBM, AEC...and thousands of others.

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support of the chips and electric bonding. Once the chips have been inserted the filmstrips are rolled onto reels. About 1000 ICs can be rolled in this way on one film.

The user of these flat circuits can cut the circuits one by one off the film rolls and install them directly in his equipment.

Skirpan Light Control Corp. of New York City has announced the opening of an office in North Hollywood, Calif. to provide marketing, product planning and equipment servicing for the West Coast area. The address of the new office is P.O. Box 4632, North Hollywood, CA 91607. Manager of Skirpan West is Robert A. Slutske. Prior to his present appointment Slutske was National Sales Manager for Cetec Audio in North Hollywood.

Totsu Co. Ltd. has been named exclusive representative in Japan for Image Transform Inc., 4142 Lankershim Blvd., North Hollywood, CA 91602. The agreement covers Image Transform's exclusive tape-to-film transfer technology as well as its PAL/NTSC/SECAM standards conversion. One of the largest independent TV program production firms in the Far East, Totsu maintains headquarter facilities in Akasaka, a suburb of Tokyo, and offices in Osaka, Nagoya and Kagawa, Japan.

Wesley T. Hanson, Jr., a Vice-President of Eastman Kodak Co. and Director of Kodak Research Laboratories, has announced plans to retire 1 June. He will be succeeded as Director by Leo Thomas who is currently an Assistant Director of the Research Laboratories.

Dr. Hanson joined Kodak in 1934 in the photomicrography Department. He has held various posts in the organization becoming Research Laboratories Director in 1972. That same year he was elected a Vice-President of the company and was also appointed a member of the Corporate Operations Committee. During the years he has received many honors for his scientific research including the Distinguished Inventor Award by the Rochester Patent Law Association citing his invention of the color coupler masking system that made Kodacolor film possible. He is the recipient of two awards from the SMPTE—the Herbert T. Kalmus Gold Medal Award in 1956 and the Progress Medal Award in 1966. He holds several patents and is the author of many scientific and technical publications.

Dr. Thomas has been with Eastman Kodak since 1961.

Robert J. Ringer has been named Vice-President and General Manager of Image Transform Inc., 4142 Lankershim Blvd., North Hollywood, CA 91602, according to an announcement by Ron Gunning, President. Ringer joined Image Transform in 1972. As Production Manager he organized the commercial application of the firm's electronic tape-to-film process. One of the founders of Vidtronics Co., Ringer had been head of its Tape-to-Film Department.

Dennis A. Robertson, General Manager, Professional Div., Bell & Howell Ltd., and Director of Bell & Howell A-V Ltd., England, has been appointed Eastern Hemisphere representative for Filmline Corp. The announcement was made by Edward Krause, President of Filmline Corp., 43 Erna St., Milford, CT 06460. Filmline manufactures motion-picture processing machines and is the developer of the Micro-Demand drive system.